

The Fortnightly **REVIEW** *of*

THE CHICAGO DENTAL SOCIETY

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How a Health Commissioner Looks at Fluoridation

Albert E. Heustis, M.D., M.P.H.
Michigan State Health Commissioner

[Prepared for presentation to the 73rd Annual Conference of the American Water Works Association, Grand Rapids, Michigan—May 15, 1953.]

Way back in 1805, an Italian chemist reported the discovery of fluorides in human teeth. This scientist speculated upon its relation to dental disease. He was not alone. Others did similar work and had similar thoughts but in those days they did not have the analytical methods to demonstrate the accuracy of their suspicions. Now we know that fluorides are an essential constituent of teeth and bones.

In 1892, an English physician by the name of Sir James Browne, stated that the enamel of teeth had more fluorides than any other part of the body. He attributed the increasing decay he observed to the lack of this element in the diet. He suggested that some way be found to re-introduce fluorides into the diet of child-bearing women and children in order to fortify the teeth of the next generation.

Unfortunately this idea was stymied in its infancy for that very same year another very eminent person announced that he had discovered the cause of tooth decay and everyone was more interested in eliminating the cause than in trying to make teeth more resistant. Then, in

the early 1930's, after the development of better analytical methods, surveys of the incidence of dental caries were conducted by the United States Public Health Service. The then dean of our own University of Michigan Dental School, Dr. Russell Bunting, was greatly interested in this project. In these surveys it was found that in some areas of the country, children had fewer cavities than in others. The only factor consistently found to correspond with the incidence of caries was the fluoride content of the water.

Areas with what we now know to be an adequate fluoride level had a lower incidence. Areas without or low in fluoride had a higher incidence. More surveys were conducted, more studies were made. In every area where the fluoride content of the water was one part per million or greater, there were fewer cavities—two-thirds fewer. It was noted, too, that there was a progressive improvement in the dental health of communities with increasing amounts of protection up to 1 part per million of fluoride but there seemed to be no additional benefits beyond this concentration. The

surveys showed too that the resistance to dental decay once established persisted through adult life.

All this started folks thinking. Animal experiments were conducted that showed it was the fluorine ion that was effective. Why couldn't more communities have the benefit of this? Why couldn't the fluoride content of waters with less than the optimum amount be adjusted to that level? Folks began thinking of that in Michigan.

Many questions had to be answered first. Was it safe? Was it legal? Was it feasible?

Let us talk first about safety. The illness and death statistics of areas having natural fluorides present with those where it was absent were compared. The extensive literature on fluorine was reviewed for cases of acute, low grade, or chronic poisoning. Absolutely no evidence whatsoever was found of either acute or long term damage by the prolonged use of fluorides in the amount found to be effective in the prevention of dental decay. In addition, over and above this, it was proven that the recommended concentrations provided a very ample safety factor.

The Attorney General of the State of Michigan was asked to rule upon the legal aspects involved. His opinion was that a city starting a fluoridation program would be assuming no more liability than it has now in the operation of a public water supply. He stated that before liability could be established it would be necessary for the plaintiff to show negligence on the part of the utility or municipality furnishing the water and show that his injuries resulted from such negligence. We found, too, that cities in our state had ample legal authority to adjust the fluoride content of the water if they wished to do so. These opinions have been concurred in by the courts in a number of other areas as reported in the April issue of the *Water Works Association Journal*.

Next came the question of the feasibility of adding fluorides to the water supply. It was found that technically it was not

difficult. In general the same type of automatic feeders were used that water works men have been accustomed to over the years. Then, too, it was found that this procedure presented no unusual technical problems to trained water works operators. Thought was given to the personal hazard to the operator, also. This was found to be very satisfactorily met with the proper and adequate safeguards which one should have for handling practically all of the chemicals used in the water works industry.

Then came the Grand Rapids demonstration. This was a cooperative project between the local health department, the Dental School of the University of Michigan, the United States Public Health Service, and the Michigan Department of Health.

In 1944, baseline data were gathered. Many thousands of school children were examined in the cities of Grand Rapids and Muskegon. Both cities obtained their water supplies from Lake Michigan which is low in fluorides. Several thousand examinations were also done in Aurora, Illinois, which has a natural content of fluoride in its drinking water of 1.2 ppm. In these baseline studies it was found that the children in Aurora, Illinois had two-thirds less cavities than those which were recorded for the children in Grand Rapids and Muskegon. And then, in January of 1945, fluoridation was started in Grand Rapids. Check-up examinations were made on several thousand children in Grand Rapids and Muskegon each year. After five years of seeing the marked decrease in dental cavities in Grand Rapids while its own caries rate remained at its previous high level, Muskegon tired of being the control and started to fluoridate its own water supply. Now after eight years of fluoridation the preliminary analysis of the Grand Rapids data shows that the children eight years of age and under have the same caries incidence as those in Aurora. That is, children receiving optimally fluoridated water since birth have the same low incidence of caries as do children drinking naturally fluoridated water over that same period.

Other demonstrations were carried out in Newburg, New York; Sheboygan, Wisconsin; Lewiston, Idaho; Marshall, Texas; and Evanston, Illinois. These were carefully controlled. The Grand Rapids findings were confirmed in these other demonstrations. Every community with controlled fluoridation of its water supply came up with the same results that would be expected in an area with naturally fluoridated water.

Here then was a procedure capable of improving the health of our people. It was safe, legal, feasible, and effective. It was capable of mass application. The reported cost was between 5 and 14 cents per capita per year. Here was a procedure endorsed and recommended nationally by the American Dental Association, the American Medical Association, the National Research Council, the American Public Health Association, the Association of State and Territorial Health Officers, the American Association of Public Health Dentists, and the United States Public Health Service. Here was a procedure recognized by the Congress of the United States when it approved fluoridation of the water supply of the District of Columbia.

This brings us to the opportunity for real statesmanship in public health, an opportunity to clearly and forcibly present the facts so that those whom we serve may make their decisions upon scientific evidence and not upon emotion or hysteria.

As statesmen, we must remember that the water business was not always what it is now. Water used to be delivered in wagons—but some folks were not satisfied with that. Then came aqueducts, and these created quite a furor. The putting of pipes in the ground was accompanied by more to-do. Next came filtration. Many of us can remember the early opposition to that procedure particularly as to whether a chemical coagulant could be used as an aid in the process. The voices raised against chlorination, which followed, were even more resounding. Not too long ago water conditioning was added. There were many misgivings

about that, too. But all those things gradually came to be recognized as in the public interest. Now we have fluoridation or the adjustment of the fluoride content of the water to prevent another type of disease—dental caries. In this as in water conditioning we have gone beyond the traditional job of furnishing water and the prevention of water-borne bacterial diseases. Fluoridation in common with water softening constitutes an adjustment of the chemical constituents of the water in the interest of the consumer. Folks in many parts of the country are already receiving this protection. The drinking water is being adjusted by trained technicians—water works operators—working as a part of the public health team, under medical and dental guidance and responsibility, and under laboratory and engineering control.

Disability is disability, regardless of its cause. If it is within our power to overcome a disability that affects almost everyone, in part at least, we should take a real good look at the merits of the procedure before tossing it aside as the responsibility of someone else.

Call fluoridation by what name you will, if it is in the public interest, then it is our business, yours and mine.

As statesmen, we must in a forthright fashion analyze the arguments of those who are opposed. We must combat baseless fear with knowledge. We must see that comparisons are valid and proper. We must recognize^e and accept such opposition arguments as are valid, in fact. We must see that quotations are made in context; that the real issue is not clouded; and above all we must consider the background, the knowledge, and the experience of those who would be heard.

We must do these things with the full knowledge that dental caries in addition to being a bacterial disease is at least in part a deficiency disease as well. It is a condition affecting almost everyone. We simply do not have and cannot even foresee the dental manpower necessary to treat this disease, even if we could afford it. Prevention along with treatment has

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CHICAGO DENTAL SOCIETY
OCTOBER MONTHLY MEETING

WHAT'S NEW IN DENTISTRY

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ANTIBIOTICS IN DENTISTRY

Robert A. Atterbury, D.D.S.
Oak Park, Illinois

●

THE HIGH-SPEED TECHNIQUE

Meigs Jones, D.D.S.
Kansas City, Missouri

●

AN EVALUATION OF PROGRESS AND DEVELOPMENT IN DENTAL PLASTICS

Floyd A. Peyton, D.Sc.
Ann Arbor, Michigan

●

8:00 P.M. TUESDAY, OCTOBER 20, 1953
NORTH BALLROOM, CONRAD HILTON HOTEL

Harold H. Hayes, Chairman
Monthly Meeting Program Committee

NEWS AND ANNOUNCEMENTS

NORTH SIDE BRANCH OCTOBER MEETING

The North Side Branch of the Chicago Dental Society will hold its first meeting of the new season on Monday, October 5th, at the Edgewater Beach Hotel. Dinner will be served at 7:00 p.m., with the meeting immediately following the dinner.

Dr. D. H. Gehl, professor of Prosthetic Dentistry at Marquette University Dental School will talk on "Problems in Prosthetic Dentistry."

ACADEMY OF GENERAL DENTISTRY TO HAVE PUBLIC SPEAKING COURSE AT LOYOLA

The Academy of General Dentistry has made arrangements for a course in public speaking at the Chicago College of Dental Surgery, Loyola University. It will be given in a practical manner, somewhat along the lines of a Dale Carnegie course. Deans Baralt and Matre have been picked as the instructor, "The best" in the Department of Public Speech of Loyola University. They feel that dentists should assume their places as leaders of the community and one of the requirements of leadership is the ability to speak. If you are interested in such a course or in the Academy's program, please contact Dean Baralt at Loyola or Dr. Al Knab, secretary of the Academy of General Dentistry.

The course will start on October 14, from 9:00 a.m. to 11:30 a.m., for nine Wednesdays. The charge will be \$15.00 per student. Other P.G. work will be announced at a later date.—*Dr. Al Knab, 8500 Stony Island Avenue, Chicago, Illinois.*

NORTH SUBURBAN BRANCH OCTOBER MEETING

North Suburban's first meeting of the season will be held on October 13 at the Georgian Hotel, with dinner at 6:30 and scientific session at 8:00. Dr. George Schmidt will discuss "Occlusion."

The date was erroneously published as October 6 in our September 15 issue. Please note that the correct date is *October 13*.

ACADEMY OF HYPNODONTIA OCTOBER PROGRAM

The Chicago Academy of Hypnodontia wishes to announce its opening program for the 1953-54 season. Dr. William S. Kroger, of Evanston, will lecture and exhibit sound technicolor films on "Anesthesia by Hypnosis in Childbirth." This is the first full length movie ever made on Anesthesia through Hypnosis. It was shown at Johns Hopkins, Yale, Columbia, Cornell, and other leading institutions in New York City and created so much comment that Dr. Kroger has been recalled East for a repeat performance. Academy members and friends are cordially invited. The date is October 2, 1953, at 8:00 p.m. in the Conference Room of the Pittsfield Building.—*E. Victor, Chairman.*

NO MIRACLE DENTIFRICES

Claims that the new so-called "anti-enzyme" tooth pastes will prevent dental decay are unwarranted, *The Journal of the American Dental Association* declared editorially September 1. The tooth pastes are now being widely offered to the public.

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WEST SIDE BRANCH CLINIC DAY

Wednesday, October 14

Midwest Hotel, 6 North Hamlin Avenue
Grand Ballroom



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Guest Speaker:

TOM DUGGAN

Dynamic Radio and TV
Sports Commentator

Subject:

**"SPORTS THAT
MAKE NEWS"**

●

Table Clinics — 2:00 to 5:00 p.m.

Commercial Exhibits — 1:00 to 5:00 p.m.

Free Cocktails — 5:00 to 6:00 p.m.

Dinner — 6:00 p.m.

Wives, Assistants and Guests are cordially invited

Members from other branches are cordially invited

Clinic Day Committee:

Irwin B. Robinson, Chairman
Victor Ganz

Harold H. Epstein, Vice-Chairman
Robert Tuck
Adolph Stark

West Side Branch Clinic Day Will Feature Table Clinics

The West Side Branch will present the following table demonstrations at its annual Clinic Day at the Midwest Hotel, October 14.

"Space Maintainers for the General Practitioner" by Dr. Harry L. Aronson.

"Mouth Preservation and Rehabilitation" by Dr. William R. Eberle.

"Oral Roentgenology" by Dr. J. Gevirtz.

"Intra-Oral Photography" by Dr. Stanley Goldberg.

"Pack Method and Electrocoagulation in the Treatment of Periodontoclasia" by Dr. Samuel H. Goodfriend.

"Precision Indirect Inlays" by Dr. Alfred D. Kamin.

"Platinum and Porcelain Technique for Restorative Dentistry" by Dr. Paul Krolik.

"Endodontia" by Dr. Joseph Restarski

"Hobby for Dentists—Wood and Linoleum Cuts and Prints" by Dr. I. H. Shapiro.

"Pedodontic Appliances" by Doctors A. Sherow and D. Torch.

"How to Free Yourself of Impression

Difficulties and Deficiencies in Bridge-work and Partial Denture Prosthesis" by Dr. Harry Spiro.

"Equilibrium in Occlusion" by Doctors Len Foley, LeRoy Levey, R. E. Kadens, Al Spiro.

"Comparison of Lower Denture Techniques" by Dr. Dale M. Lipe.

"Treatment of Dry Sockets" by Doctors Daniel M. Laskin and Irwin B. Robinson.

"Stress Breakers in Fixed and Removable Dentures" by Dr. Robert W. Joffe.

"Operative Dentistry" by Dr. Paul Dawson.

"A Slice Inlay Preparation for Children" by Dr. Alfred G. Harris.

"Periodontia Treatment" by Dr. Shaylor A. Bonebrake.

"Pedodontia" by Dr. Dorothy R. Rizzo.

"Crown and Bridge Impression Technique" by Dr. Harry Spiro.

"Practical Facts in Periodontia" by Dr. Eli Green.

"New Principles in Crown and Bridge Prosthesis" by Dr. Francis X. Pelka.

Make a note of this important date.

Take time to work—it is the price of success.

Take time to think—it is the source of power.

Take time to play—it is the secret of perpetual youth.

Take time to read—it is the fountain of wisdom.

Take time to be friendly—it is the road to happiness.

Take time to dream—it is hitching your wagon to a star.

Take time to love and be loved—it is the privilege of the gods.

Take time to look around—it is too short a day to be selfish.

Take time to laugh—it is the music of the soul.

—Leinster Leader: Irish Digest

Patient (recovering from operation): "Why are all the blinds drawn, Doctor?"

Doctor: "Well, there's a fire across the street, and I didn't want you to wake up and think the operation was a failure."

"A husband who talks in his sleep may easily ruin his wife's nerves," declares a specialist. Especially if she can't quite hear what he's saying.

A good way to relieve the monotony of any job is to think up ways of improving it.

ABSTRACTS

BACTERIA AND TOOTH DECAY

The first electron microscope pictures of bacteria actually decaying teeth were shown before the International Association of Dental Research.

The pictures were taken through cross sections of decayed teeth sliced to 1/500,000th of an inch. They showed three types of bacteria destroying teeth. Magnification was 30,000 times.

"The outer layer of decay is a soft crumbly mess of heavy concentration of micro-organisms.

"There is no resemblance to the structure of the normal teeth. The bacteria appear to be digesting the remains of the dental matrix and the fine branches of the dentinal fibers.

"Below this region, the dentin undergoes partial decomposition as shown by the absence of dentinal tubules and the breaking of the matrix.

"Beneath this zone of complete dissolution, the dentin begins to lose its calcium and protein as a result of the action of the invading bacteria in the tubules.

"The processes of bacterial growth in the dentin tubules continue until a complete breakdown of the dentin occurs."—*So. Calif. State Dent. Ass'n. Journal*, July, 1953. J.N.L.

INFECTION OF THE MAXILLA

Every untreated infected tooth eventually produces an infection of adjacent jaw bone. If a pulp is infected, the bone at the apex of the root is soon involved. In periodontal disease there is an eventual rarefying osteitis of the bone of the tooth socket. Infection may remain in the bone long after all the teeth are extracted. Infection of the jaw bone may follow trauma.

A histological study was made of antral mucosa from 32 patients with clinical

and/or radiographic evidence of infection of the jaw near the antrum. Seventy per cent of these exhibited a fibrotic sinusitis. One case was adenomatous or glandular and the remaining were simple chronic sinusitis.

The blood supply to the antrum and that to the teeth are inseparable.

In sinusitis, extraction of all posterior maxillary teeth with caries involving the pulp should be urged. Root canal treatment should not be attempted on multi-rooted teeth.

All infected areas, roots, cysts, etc., should be removed.

In some cases, antral irrigation is indicated and in those where radiographs show hyperplasia of the floor of the antrum, this has been stripped out. The postoperative course is good.

The author is convinced that maxillary bone infection from the teeth is the primary cause of some sinusitis and a contributory factor to the chronicity in many others.—"*Infection of the Maxilla in Relation to Maxillary Sinusitis*," by W. E. Fleming, M.B.D.S., D.D.S. *Dent. Journ. of Australia*, Jan., 1953.

J. N. L.

RED CROSS GAMMA GLOBULIN

Hammon and associates present a followup report evaluating Red Cross Gamma Globulin as a means of preventing poliomyelitis. Gamma globulin offers significant protection against paralytic poliomyelitis. The report is based on 104 cases of paralytic poliomyelitis among 55,000 children, half of whom received gamma globulin and half, gelatin. Cases occurring during the first week following injection were significantly modified in severity. During the next four weeks, a high but not complete protection was

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NEWS OF THE BRANCHES

WEST SUBURBAN

One more brief reminder about our two meetings in October. On the 5th, the Round Table at the Oak Park Club at noon. Mr. Sam Taylor, Rh.P., will discuss the "Pitfalls of Prescription Writing," a sadly neglected part of our every day practice. Mr. Taylor will show many of the tricky phases of prescription writing. The first evening meeting will be the envy of the entire Chicagoland area. Dr. Balint Orban, along with Drs. Wentz and A. Kollar will devote the entire evening to a review of Periodontia. On October 13th we will have the best that dental education can offer. Remember, dinner at 6:30 followed by the scientific session. Anyone who attends will come away having learned at least *one* fact which is bound to benefit his patients. . . . Dr. Esposito, one of our new members, and Mrs. Esposito were seriously injured in an auto mishap near LaFayette, Indiana, a few weeks ago. Fortunately their infant with them at the time was thrown from the auto and was not hurt. The Espositos, however, suffered many broken bones and have been hospitalized since the accident. Let's find time to send a card? . . . Bill Tolar, Werner Gresens and Jack Opdahl will attend the A.D.A. meeting in Cleveland. . . . At a kickoff luncheon of the Community Chest Fund, there were twelve men who represented the Dental Division. These men *volunteered* to do the actual soliciting for funds among the dentists of Oak Park-River Forest. The workers are Drs. Hinrichs, Topel, Malone, Crane, Brown, Rogers, Frymark, LaGrow, J. Hauff, Vernon Hauff, Crook, and Voita. When one of these men contacts you for your contribution, see him immediately, don't keep him waiting. Listen to his story; ask all the questions you like, he will answer them—then GIVE.—*Anthony J. Malone, Branch Correspondent.*

NORTH SUBURBAN

North Suburban Branch Meeting!!! Tuesday Evening, October 13th. Dinner at 6:30 p.m. Speaker at 8:00 p.m., sharp. The Georgian Hotel in Evanston, Hinman and Davis Streets. The speaker is Dr. George Schmidt, of Chicago; the subject, "Occlusion." This is just another reminder that we are soon to have our first monthly meeting of the year and it promises to be a good one. No one can argue the fact that there is lots to offer here—good fellowship, fine environment, good food, and excellent programs. Let's have a big turnout. . . . Two of our members are leaving for vacations and, at the same time, enrolling their sons as freshmen in college, probably with the hope that it is to be pre-dental. Jim Plants is going for three weeks to take Jim, Jr. to Colorado U. at Boulder. They are going by way of the Black Hills and will see a good deal of the West, making a nice vacation. Leonard Crimmon is taking a shorter trip to go down to Duke University in North Carolina with his son. . . . Bill Redlich, also of Evanston, has taken his big sailboat way up North in Lakes Michigan and Huron, catching lots of fish and enjoying the life that he so loves. . . . W. W. Bell and R. E. West, both of Skokie, have been up in Door County, Wisconsin, playing golf and fishing. . . . Gordon Chinnock of Wilmette has been seen in Waupaca, Wisconsin for quite a spell this summer. . . . Ferman Mitchell of Winnetka is recovering at his home from a coronary. . . . Chet Thorsen of Evanston has been up north to get away from the worst of the hay fever season for the last two weeks of August. He sure picked a good time to be far away from these parts during that hot spell. . . . Dick Renn is just back from bass fishing in Arkansas and is very enthused about the area, the size of the fish, and inexpensiveness of the

place. . . . Doc Lundquist has been taking long week ends off to stay at their summer cottage in White Lake, Michigan. He also spent two or three weeks there resting, boating and golfing. His son, Bill, was graduated from Northwestern Dental School this year and at last reports was planning on doing graduate work in periodontia on a fellowship basis for the next two years. . . . Russ Johnson has been vacationing with his family in Boulder Junction. . . . Charles and Edith Mansfield's son Milton will be coming home soon from Coast Guard service. . . . Bob Foster, also of Glencoe, has gotten his roommate and fraternity brother, Gaspare Angello, to take over his practice while he is in service, although Bob has been gone for a while. So, we welcome another potential member to the North Suburban and hope he will come out to our first meeting—bet he'll never want to go back to New York. . . . Our November meeting, which is our annual Clinic Day, will be held on the 18th of the month. Al Parcell and his committees are planning a big day so don't forget to cross off the whole day for it. That is on Wednesday. The evening program is to be a dinner-dance this year which sounds good. Meantime, don't forget Tuesday night, October 13th, at 6:30, Georgian Hotel.—*Arthur G. Freeman, Branch Correspondent.*

NORTHWEST SIDE

What the Northwest branch needs is a member with a big basement. It seems as though we had just settled down to a comfortable meeting place, when the board of directors of the club adopts a "no non-member" policy. So here we are again, the wandering Northwesters. It is indeed a matter of much wonder, that in territory the size that this branch covers, there are so few facilities of the type that we need for a meeting place. Any help from the membership will be greatly appreciated by our president, John Gates. . . . And so to the news for our October meeting. PLACE—The Ter-

restrial Restaurant—DATE—October 13, a Tuesday—And for SUBJECT, Alf Altern has really gone all out to get a headliner. With suggestion being the big thing that it is in dental talks, Dr. Irving Sexter will present as his subject "The Use and Application of Suggestion and Hypnosis in Dentistry." Our flyer will give a full story on this meeting, so be sure and open and look at it, even though it won't look like a check. . . . Thad Czeslawski has worked out a deal which will give our dinners at the rate of five dinners for \$13.00. He can be reached at BELmont 5-3994. Call him for reservations for the 13th, and tell him whether you are attending the series or a single meeting. . . . Comes to hand a note from Max Bramer, modest that is, but still full of information about the Wheaton Flower Show which was held in August. Seems as though the Bramers did right well. Max did well in the judging, getting a blue and a yellow ribbon. But listen to what mama did, 3 blue ribbons, 3 red ribbons, 3 yellow ribbons and 2 white ribbons. And all that I can raise is crab grass. . . . Have you noticed the amount of space devoted in some of our dental journals to the subject of OASI, or for the benefit of those unversed in our flood of alphabet soup, social security. One of the peculiar, and almost unbelievable, facts that has arisen, is that of the number of dentists who are at this moment, potential beneficiaries of OASI. Any man who has been in the armed forces has automatically become covered by this phase of our current social structure. When one considers that with the accumulation of vets of W.W. II, of the Korean situation, and who are going into the active services now, almost half, or one out of every two dentists in the U.S.A. is covered by social security. Something that should be very carefully discussed. . . . The cold snap seems to have driven all of our news purveyors underground. Let's hope for better luck next issue. To quote Emerson, "Our Best Thoughts Come from Others."—*Ben Davidson, Branch Correspondent.*

NORTH SIDE

NORTH SIDE BRANCH MEETING, MONDAY EVENING, OCTOBER 5TH, EDGEWATER BEACH HOTEL. The first meeting of the North Side Branch will have Dr. D. H. Gehl of Milwaukee, Wis., as speaker. He will speak on "Problems in Prosthetic Dentistry." Dr. Gehl is Professor and Co-director of the Department of Prosthetics at Marquette University Dental School. He is a Diplomate of the American Board of Prosthodontics, a member of the American Denture Society, a member of the Academy of Prosthetic Dentistry and a Fellow of the American College of Dentists. He is presenting a subject which should be of interest to everyone. . . . This is the first of four very educational meetings to be presented by the North Side Branch during the year. In addition, another great Clinic Day has been arranged by Lee Levey and his committee for Wednesday, December 9th. . . . **LOOK AT THIS GREAT PROGRAM FOR THE YEAR.** Monday, October 5th, D. H. Gehl of Milwaukee, "Problems in Prosthetic Dentistry"; Tuesday, November 3rd, John L. Woehler of Sierra Madre, Calif., "Dental Economics"; Monday, March 1st, "What's New in Dentistry?"; Warren Willman, "Air Brasive Technique"; Paul Dawson, "High Speed Technique," and M. S. Sadove, M. D., "Anaesthesia—Trimar and Local"; Tuesday, April 6th, Harry Sicher; Wednesday, December 9th—**CLINIC DAY.** . . . For your convenience, the Clinic Day dinner has been included in the season dinner ticket at the bargain price of \$12.50 for five dinners—a saving of \$6.25. You cannot afford to pass up this bargain, since you still save \$2.50, even if you cannot attend all the meetings. . . . Russ Boothe reports that John Lavieri is now associated with him. . . . Dan Peterson has remodeled his office and has Norman Blankenship, a Loyola graduate, as an associate. Dan expects to have a little more time for travel and for pursuit of his hobby—sailing his 44-ft. yawl. . . . Ken Penhale has returned

from his vacation in Canada while Lee Simons, on his late summer vacation, is still touring the Provinces. . . . Clarence Peterson, Sr., took advantage of his summer home this year, and spent the whole summer up near Republic, Michigan. . . . Still no sign of Ed Luebke getting back from Shawano, Wis. It's been reported that Ed is getting prepared for the A.D.A. Meeting in Cleveland, where he will be the one North Side member among the thirteen delegates from Chicago. . . . Basil Cupis and Russ Boothe are going to the A.D.A. meeting as alternate delegates. . . . Herb Boman has been seen driving around in a new car. . . . Al Drew's friends claim that Al really looks good in that new two-tone Chrysler. . . . Downtown members are wondering how far in advance Brad Brown buys his theater tickets. There is a suspicion that Brad just found out tickets aren't any good two weeks after the performance date. . . . If Orville Larsen is walking differently lately, it's because he has been practicing to march up the aisle with his daughter when she gets married on October 17th. . . . Warren Gerber visited his former home in West Virginia on his vacation and also had a very enjoyable stay at Carolina Beach. . . . Despite the big "take" made by the gunman who recently visited Frank Blair's office, Frank still made that fishing trip to Elray, Wis., over Labor Day. . . . Secretary Harold Sitron enjoyed an extended Labor Day vacation near New Buffalo, Mich., where his family spent the summer. Harold wanted to rest for a few days before President Bill Osmanski really puts him to work for the year. . . . The North Side Branch of the Chicago Dental Assistants Association will meet on the second Tuesday of the month at Rupneck's restaurant. It is to your benefit to have your assistant a member of this group. Remind your D.A. to get out and enjoy the social and educational programs offered by this organization. . . . **BUY YOUR DINNER TICKET EARLY.** See one of the Dinner and Attendance Committee—Mur-ray Hoffman, Marsh Nilsson, George

White, Joe Stillerman, Ernie Gillis, Ted Kral, Bob Peterson, Harry Morrow, Victor Izui and Dave Raynes. If you do not see one of these men, season dinner tickets will be available at the meeting, MONDAY, OCTOBER 5TH, EDGEWATER BEACH HOTEL.—*Frank J. Hanagan, Branch Correspondent.*

SOUTH SUBURBAN

It's that time of the year again and we are having our first meeting at the good old standby that we all liked so well last year—that is Chuck Cavallini's in Midlothian. As usual, we will be meeting on the first Tuesday of the month and for October that will be on the 6th. By the time you will be reading this, you will have received your reservation cards giving the exact time of the meeting, the speaker and the topic. . . . Got a call from Lloyd Bettenhausen saying that he and Tiberi were taking off on a fishing trip into Minnesota. . . . I think by this time Leonard Holt should be back from his trip to Europe. It will be interesting to hear what he has to say regarding his impressions of conditions on the Continent. . . . The Dental Staff of the St. James Hospital made a survey of the fees charged by men in the area and the results are being tabulated. Our president, Ezio Grossi, will be giving us a quick rundown at our next meeting and if you are interested, it might be done for our entire group. Think it over. . . . A. I. Broder is going around with a big smile on his face. Son, David, has returned to civilian life after completing his military stint over in Germany. David was the editor of the G.I. paper that was published and some of the things he ran into make for some very interesting reading. . . . Jack Amram will soon be moving into his new quarters in a new medical-dental building being completed here in the Heights. Jack is planning a two-chair office with all the trimmings. Good luck to you! That's all for now, see you at Cavallini's on the 6th of October.—*H. C. Gornstein, Branch Correspondent.*

KENWOOD-HYDE PARK

Now that the weather has changed from our real high, look out for the real low. . . . Jesse Carlton and family have been enjoying the nice 80 degrees of Miami while we suffered with our 100 plus; the card that I received from him stated that he would be gone until the middle of the month but here he is back again. I haven't talked with him as yet, but others that I have been in touch with have. . . . Happy Birthday to the son of Sam Friedman and best of health to the mother. The bundle of joy came a little bit earlier than expected, but they didn't send the 5 pounds, 5 ounces back. The last report was that they were home and doing very well. . . . I may be color blind or something, but the latest report is that a certain orthodontist **MUST** be. What do you think of a *man* who claims that a borrowed pair of shorts could make any difference with his golf score? That wouldn't be so bad if it were not for the fact that the shorts were a *canary yellow*. Any person that plays golf as much as our friend does and then forgets to take along pants to the South Side Swedish Club, **WELL!!!** . . . Rudy Grieff has finally come across with the information that he tried to find Bob Kreiner, but that he then went up to N.Y.C. to see some of his relatives. . . . It seems that our members are in for a rainy year, Walt Dundon and Wayne Fisher get nothing but rain when they try to hold meetings in their homes. Wayne had a meeting at his home last night and it rained so hard that the lights went out and everyone was so glad that Mrs. Fisher had candles on the table so that they could see if anyone was taking from their plates that good food that only Mrs. Fisher can cook. The strain was soon relieved by the lights coming back on. . . . The program for the 6th of October is sure going to be a real interesting one because we have a young man who is not going on his laurels, but is going on what he can do and show and prove. It is a worthwhile program and there will be some table clinics that will

make your coming out very educational so get off your — — — and get over to the Sherry Hotel and don't mark up your appointment book so that you will miss the dinner; in fact, don't miss the unofficial gathering before the dinner. . . . Mrs. Clinton Fisher seems to be a very busy wife, she has been cleaning up the yard of their new home. Poor Mrs. Fisher is beginning to develop muscles—how about that, Clinton, your lovely wife doesn't need muscles to take care of that little daughter, but of course there may be something said about letting the woman know who is boss and that the whip is in the right hands. That is the penalty that new home owners must pay nowadays. . . . Bob Pinkerton now can practice in two states, but from what we have been hearing about the BOARD it can be tough and the so-called examiners really know their stuff (HA! HA!). Nice going anyway, Bob, from what you have said I think that you are better off here with your friends. . . . The wedding bells are ringing again, well at least there is still the ringing for several people this month. The Walt Dundons had an anniversary (the 28th) on the first of Sept., and the Bob Wells had theirs on the 14th of Sept. (married 1919), so some of you young men can see that there is an inspiration. We want to wish the Dundons and the Wells the best of luck and happiness for the next umpteen years. . . . Bill DeLarye seems to be getting the business from all of his friends (?), it seems that everyone wants to know who would marry him. Bill, you will have to come back at them with some good retort, so let us know and we will help you—of course, a woman would marry Bill. . . . By way of the good old grapevine we hear that T. William Humble has been home on sick leave, now is that any way to have a leave? Gee, things must be tough if that is the only way a guy can get leave, so not that we want you to hurry back, hurry up and get well, but still keep the leave. . . . We are glad to hear that Willard Johnson is back in his

(Continued on page 27)

It's Good to Share

Maybe you'd rather not hear about an abandoned baby found in a garbage can

... or a little boy in a traction splint

... or a youngster loitering under the "L" because he hasn't any other place to play

... or a child crying because a quarreling Mommy and Daddy are breaking up the home.

Maybe you say, "I've got enough problems of my own."

But not for long. As a warm-hearted human being it just comes naturally for you to want to help.

But how? How can you possibly lend a hand—personally—to all the people you hear about or read about who need your help so desperately?

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Your once-a-year contribution to the Red Feather drive helps support homes for neglected children, day nurseries for youngsters of working mothers, family service agencies that try to keep families together, recreation agencies for people of all ages, clinics and hospitals and other services which care for old folks, blind people and thousands of others.

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They share.

Yes, it's good to share: be generous!

•
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(Continued on page 31)



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HOW A HEALTH COMMISSIONER LOOKS AT FLUORIDATION

(Continued from page 9)

played a tremendous part in the development of the health status we have today. And being in part a deficiency disease, dental caries can be prevented to a great extent by making up the deficiency and adjusting the fluoride content of the drinking water so that resistant dental enamel will be developed.

Everyone must understand that there is scientific proof that the fluorine ion acts the same way in the prevention of dental cavities whether put in the water by nature or by man. We must understand too that fluorides are a normal constituent of teeth.

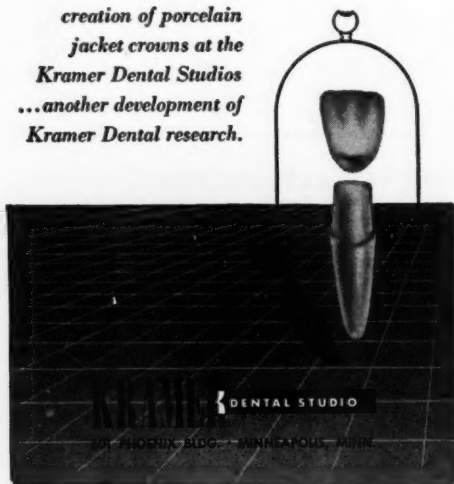
We must always remember that the material in the amount recommended is perfectly safe. At one ppm it would take well over 1,000 8-oz. glasses, all consumed at the same time, to supply enough fluoride to make a person feel sick.

You folks, as statesmen, and above all because of your training and experience, must remember that the mechanism for delivering this material into the water is safe, both by design and by the practical nature of things as they are. For example, in order to produce water with one part per million of fluoride a machine is designed to feed approximately 20 *pounds* of sodium fluoride into each million gallons of water. It would take four *tons* of the material per million gallons of water to get enough fluoride in a glassful to even make one sick. Comparisons of illness and death rates in natural fluoride with non-fluoride areas shows no difference, if the figures are correctly quoted and if true comparisons are made.

Especially in view of what has been said before this morning, we should not forget that the careful and constant supervision and control required for adjusting the fluoride content of water is easy and inexpensive to supply. It would be much more difficult and much more costly to

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provide this supervision and control for untried methods that have been suggested. Supervision and control are of course the key to the whole program.

Well, that's it, fluoridation, one of the most dramatic and important public health advances of our times. It is not the whole story in the prevention of dental decay, but it is capable of reducing the problem to manageable proportions.

How does a Health Commissioner look at fluoridation? The answer to that is best summed up in the printed policy statement of the Michigan Department of Health which says in part, "... Seven years' experience with a controlled study of fluoride supplementation in Grand Rapids has impressed the Michigan Department of Health with the value of this procedure ... The Michigan Department of Health strongly recommends the supplementation of all public water supplies in the state deficient in fluoride. ..."

Competent operation of the fluoridation process is assured in Michigan as well as in many other states through supervision and control by the State Health Department and by the certification of operators. In this way responsibility can be fixed and continuity of service assured. We have found, too, that cooperative educational projects between the State Health Department and the local section of the Water Works Association are very effective devices in making available to water works men the know-how to perform their jobs with credit both to themselves and to their communities.

This, then, is our recommendation—supplementation of fluoride deficient water supplies under medical and dental direction by trained technicians and under laboratory and engineering control. Here truly the water works operator, as a trained technician, working with medical, dental, and engineering guidance once again takes his place in the small band of dedicated people whose job it is not only to prevent disease but to develop the greatest possible degree of health.

NEWS AND ANNOUNCEMENTS

(Continued from page 11)

"There is no acceptable evidence to date demonstrating that the daily use of such a dentifrice will prevent dental caries (tooth decay) although studies on the subject are now being made," *The Journal* said.

"Dentists, of course, will wisely withhold judgment of the product until scientific evidence proves its worth or its worthlessness and it is hoped that the intelligent consumer will do likewise."

The editorial took note of the repeated claims that have been made in the past for "miracle" tooth pastes and powders, none of which has lived up to the promises made for them.

"In view of the long and unhappy history of miracle dentifrices," *The Journal* said, "it is predicted that the current nation-wide promotional campaign will cause little more than a ripple on the sea of superlatives that have surrounded the dentifrice field since the days of Pliny and Galen." (Pliny, Roman naturalist of the first century A.D., and Galen, Greek physician of the second century, both wrote dentifrice "recipes.")

The Journal added:

"Hope always prevails that some day, somehow, someone will discover a true preventive for dental caries, and this dentifrice may be it. If time and research prove that it is, those responsible for its discovery will receive everlasting gratitude for their contribution to the health and happiness of the human race.

"At the same time, should the claims vanish in thin air as have so many claims for so many similar products in the past, the promoters who have raised false hopes and misled the public will deserve everlasting condemnation for the damage which they, in their haste, will have done."

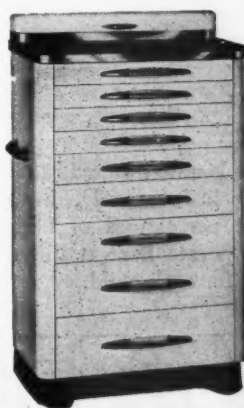
The American Dental Association's Council on Dental Therapeutics has reported that no dentifrice now being offered to the public has been shown to have a usefulness beyond assisting the toothbrush in cleaning the accessible surfaces of the teeth.

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ABSTRACTS

(Continued from page 14)

shown. During the sixth to eighth week, the protection decreased and none appeared after the eighth week.

The use of gamma globulin is not a panacea and presents disadvantages as well as advantages. First, it is administered to a child population in which the chances are 200 to 1 against getting the disease and second, the cost is staggering, amounting to \$28,000 for each of the eight calculable paralytic cases prevented in the Houston study and \$3,733 for each of the calculable 30 cases prevented in the Sioux City study.

Other disadvantages are the short duration of passive protection; the need for reinjection each time polio is prevalent in an area; susceptible children cannot be distinguished from immune children; the low incidence of paralytic poliomyelitis; the inability to determine time of exposure; the protection is not always complete and hypersensitization may occur.

The great advantage in the tests may be in the impact on active immunization as they demonstrated that a very low concentration to antibodies will protect man.

Gamma globulin is administered intramuscularly, never intravenously, in a dosage of 0.14 cc per pound of body weight, using a separate heat sterilized syringe and needle for each child.

Gamma globulin is supplied and allocated through the Office of Defense Mobilization to distribute the limited supply in the most effective manner which now seems to be on a family and community basis.—*"Evaluation of Red Cross Gamma Globulin as a Prophylactic Agent for Poliomyelitis"—Final Report. By Hammon, Cariell, Wherle and Stokes. J.A.M.A., April 11, 1953. J.N.L.*

THE ELEVEN COMMANDMENTS OF GOOD BUSINESS

A Patient is the most important person in any dental office.

A Patient is not dependent on us; we are dependent on him.

A Patient is not an interruption of our work; he is the purpose of it.

A Patient is part of our business, not an outsider.

A Patient is not a cold statistic; he is a flesh and blood human being with feelings and emotions like our own.

A Patient is not someone to argue or match wits with.

A Patient is a person who brings us his wants. It is our job to fill these wants.

A Patient is deserving of the most courteous and attentive treatment we can give him.

A Patient is the fellow that makes it possible to pay your salary.

A Patient is the life-blood of every dental office.—*Journal of American Dental Hygienists Ass'n. April, 1953. J.N.L.*

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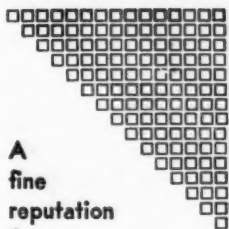
NEWS OF THE BRANCHES

(Continued from page 19)

office after having a tune played on his knee. . . . I have to thank Mrs. Eberle for sending me cards from their trip, I am not too sure that they have been in all of the places up north and in Canada, but the cards had pretty pictures on them and that is one thing I can read. But getting back to the Eberles, they have been visiting relatives in the Banff area. They claim that the fishing wasn't too bad so we will be looking forward to hearing some good fish stories. . . . Don't forget that we are starting our meetings on the 6th and be sure to come for dinner and have a good meal, you have received your flyer so now you know what the program is about, so let us see you there.—Warren H. Lutton, Branch Correspondent.

WEST SIDE

Hi!—There is a smoky tang and fresh breath of frost in the air these crisp days, a harbinger of glorious fall days to come. With reckless abandon, Jack Frost is splashing the countryside with patches of flamboyant colors a joy to behold. The stars and moon give a halo glow to the cool nights. Nature is staging a last colorful display as a prelude to the bleak winter ahead.—Clinic Day, Wed., Oct. 14, inaugurates the resumption of West Side activities in a grand manner. After several months of diligent and assiduous preparation, Max Chubin, Irv Robinson and Harold Epstein, with the aid of many others, have formulated an outstanding program that merits your attendance on this important day. A varied array of excellent table clinics will give you a quick and easy postgraduate review of much that is new in the dental sciences. Many commercial exhibitors will display and demonstrate new and tried products and aids to better dentistry. The happy rollicking social and dinner hour will be enlivened by the exciting Tom Duggan who will be the after-dinner speaker. Need we say more? Do



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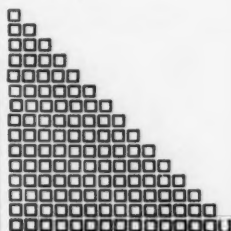
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invite your friends from other Branches to share this proud day on the West Side. This whole day has been planned and arranged just for YOU. Come early and stay late. . . . Lt. Andrew J. Kelleher, who about a year ago was recalled into active duty by the Navy, was recently released. Most of the time Andy was assigned to Rantoul, Ill., where he served with the Chanute Air Force. He is very happy now to be a civilian practicing at 4001 W. Monroe St. Nice to have you back, Andy. . . . Urbane Bob Tuck is rapidly adjusting himself to the busy life in the suburbs. Bob recently suffered a frustrating dilemma. Bright and early one morning his wife dropped him off at the station in Lombard for the routine trip to the office. Just as the Northwestern train steamed in, Bob reached into his pocket for his ticket. Oh! Oh! A frantic frisking of all seven pockets revealed no ticket, no money, no keys—just nothing and a lot of that. Fortunately, a Samaritan among the fellow commuters stood still for a touch of a couple of bucks and the day was saved. That is what happens when a commuter has two suits. . . . Sam Kleiman, Carl Madda, Bob Tuck, Joe Porto, Leo Cahill, Mike DeRose, Dorothy Rizzo, Earl Boulger, Jim Dillon.

Tom Burns, and Oscar Cyrier are among the West Siders giving eclat to the A.D.A. meeting in Cleveland. . . . Bill Bingaman recently enjoyed a couple of weeks on Grandpa's farm in Penn. Since his return he has been regaling the luncheon group with the miracles of Animal Husbandry. . . . All summer Chick Vission spent much time on the golf links across from his summer home at Nippersink. He claims he has improved his game by ten strokes this past summer. Now, if he would take ten pounds and ten inches off that spare tire he could see the ball and, who knows, he might give Cary Middlecoff a run for his money. Chick is so enthused about golf he plans to play until the snow covers the greens. . . . Late in July when Irv Miller, Jr. received his State license, Irv, Sr. turned his office over to him, loaded up the family chariot, squeezed in Genevieve and took off on a long anticipated tour of the fabulous West. At a leisurely pace they enjoyed the scenic wonders of the glorious Northwest. Then loafed along the Pacific coastline from Seattle to Los Angeles. With frequent stopovers at scenic wonders they are lackadaisically wandering back home along the southern route. They may be home soon. We hope they enjoyed every mile of this grand

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vacation. . . . With Clinic Day as the starter, the West Side will again present a series of six monthly meetings planned to keep you among the dental intelligentsia. To enjoy and benefit from these meetings to the fullest extent, get a season dinner ticket as a kind of incentive to yourself to attend all the meetings and dinners. Procrastination withers good intentions in a short time, so take just a minute now to call Walter Kelly, SAC. 2-6100, for that bargain. Your fourteen bucks will richly reward you with big dividends in many ways. . . . That is all for now, but at Clinic Day we will be looking for you.—*Adolph F. Stark, Branch Correspondent.*

ENGLEWOOD

Well, I got away from Englewood's first meeting of the season alive and unharmed. Nobody slipped me a "Mickey." No arsenic in my salad. No muffled gunshots from a dark corner. "Was ever a poet so trusted before?"—*Boswell*. . . . President Bob Straub's first meeting was really a smoothy. Good turn-out, fine drinks, excellent dinner, and a great program. Dr. Daniel M. Laskin gave us "Management of Oral Surgery Patients with Complicating Systemic Diseases."

Really took it apart for us. Perhaps best of all was the evident pleasure everyone had in seeing the rest of the "regulars" after the long summer shut-down. Keep it going, Bob. . . . Just got my release from Joe after having had to read *Donald Duck Comic* for October, so now back to the happenings in Local 602. Donald Duck! Captain Video! Roy Rogers! What the heck ever happened to Little Jack Horner? Mebbe he has a new racket? Could be dentistry? Hmmm. Let me see. Yes, that's it! Jack is a dentist now! Like so:

WITTLE WO'S WACKY WIMES FOR WILD WASCLES, No. 1

Little Jack Horner
Rents a whole corner
And there practices dentistry;
He sticks in his digits
And fusses and fidgets
And whop's 'em a hell of a fee.

SO glad to read that Scribes Art Freeman of North Suburban and Ben Davidson of Northwest Side (they *love* me on the Northwest Side) want corners of that crying towel mentioned by Lucas in the last issue. Makes me feel kinda good to know that I'm not the only Branch Despondent what is suffering from "no-

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items-sent-in-itis." And, a loud "HUZZA" for guest columnist Lawrence Q. Hotsopple Lucas for his masterful handling of the last copy. Nice, Lawrence, viddy nice, BUT, that question you asked at the end! Man, do you know what you almost did? Want me to lose my job? I answer:

— POME —

(To Lawrence Lucas)

It seems you want to know
If a pome you must poe
To delight the bitter heart of "A
Member."

Well, the answer, Sir, is "NO!"
You just leave *that* part to Ro;
I'm the guy who'll burn his stern
to an ember.*

*"In his owene grece I made him frye."—
Chaucer

Maud Smith, Secretary of the South Side Dental Assistants Association, invites your gal to be on hand for the meeting of October 13th which will be at Nielsen's, 79th and Western. Time of meeting, 7:45. Speaker, Dr. Philip Suess who will speak on child care. Come out for the 7:00 dinner if possible. The ladies have a trip through the Abbott Lab. planned for later in October. The last meet ended up in a wild free-for-all bunco party so *don't* send your girl if she is at all on the delicate side. . . . Mrs. William Schulz has heir-conditioned the old homestead—born Aug. 29th—seven pounds—name of Thomas Edmund. . . . The Ned U. Hohmans

went stork raving mad Aug. 28th—seven pounds of gal, Heidi. . . . Ted "I-got-cultural-longin's" Vermeulen spent Sept. 7-12 at the U. of Michigan reviewing practice management. He had Pete Christensen as a classmate and the boys came back a bit on the tuckered-out side, 'cuz some of the classes let out in the wee sma' hours. And, Ted just got back from two weeks of fishing (loafing in this case) up International Falls way, in time to dash off to school. He flew up north which should have added that extra touch to the trip. . . .

— HAPPY BIRTHDAY TO ME —

Yep, I hit number 43 on the 17th of Sept. Would have been number 45 but I was sick two years. . . . Dick Valentine took off in a cloud of dust just before Labor Day and hasn't been seen since. Where you go, Dick? . . . Walter Miller has purchased a building on 95th in Beverly and plans to remodel it as a modern office building. . . . Congratulations are in order to Dr. and Mrs. Vincent Milas who celebrated their twenty-fifth wedding anniversary on September first. Many happy returns of the day to you from us. . . . "O.K." Johnson has set up new diggings in the Pittsfield Building where he will surge orally. . . . Louis N. Tirengel has closed shop for a two-year visit with his uncle—Sam, that is. He will "Major" in dentistry in that *great* non-profit organization known as you know what, effective Sept. 1. . . . Frank O'Grady won't talk about it—not *much*—but he caught an eagle 2 on a par 4 (whatever *that* is) at White



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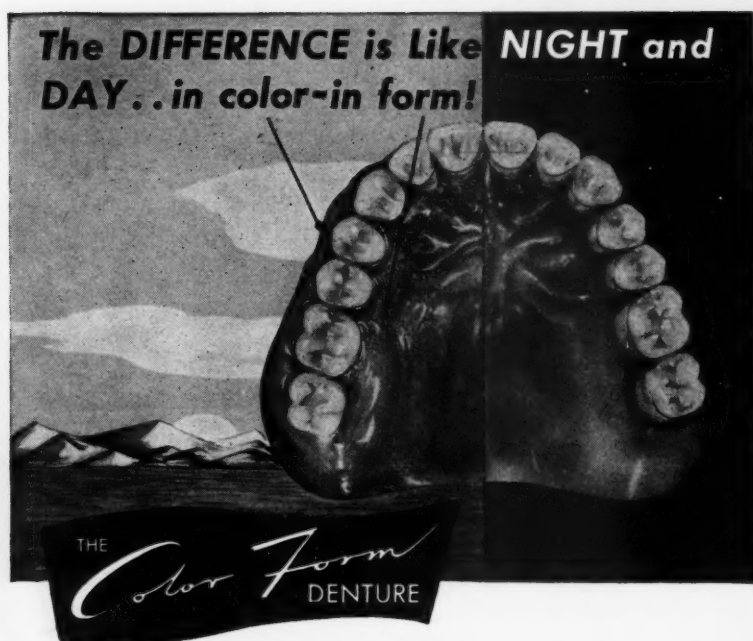
Lake. Never cared much for birds, myself. He is to give a table clinic on endodontia at the Oct. A.D.A. meeting at Cleveland. . . . We were honored by the presence of Ted Lindholm's father at the meeting. Dr. Lindholm, Sr. is visiting from his home in Ocean Springs, Miss. . . . For a small fee you may shake the hand of the man who saw Ike. Harold Hayes "duded" on a Colorado ranch for eleven days and saw the Great man real close-like. One heck of a feud in town too. One man killed and two others wounded. Harold denies that he was the *causa sine qua non* of the situation. . . . Marion Hopkins is hollering "low blow" 'cuz the gang kept him out 'till six a.m., knowing that he was to shoot in an archery tournament at nine that morning. Only one he beat was the eight-year-old son of the president of the club! Bet you had the odd feather inside, Marion. . . . Minaki Lodge provided Van Dam with his fill of golf and the limit on walleyes during his recent two week visit there.

. . . Congratulations to E. C. Warfield upon his passing of the California Board. . . . Get Harry Kazen to tell you all about those jet-propelled mosquitoes he encountered. He looked positively pale. . . . The recent heat wave had a casualty in our building. Sorley passed out. Joe Buckley brought him to. Walden brought him two more. Yes, I've shot my wad for this trip. Isaac Kuzminsky still at 1158 W. Marquette Rd.? See you fellas next time the wagon comes this way.—*Local 602 Branch Despondent, The Pied Typer of Ramblin' (didja guess?)*.

APPLICANTS

(Continued from page 20)

GIUDICE, GEORGE JOSEPH (Loyola 1946) West Suburban, 333 N. Central Ave. Endorsed by Joseph E. DeLarco and August Giraldi.
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